



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

MPC8545VTAQGB

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MPC8545VTAQGB                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU MPC85XX 1.0GHZ 783FCBGA                                                                               |
|                     | <a href="#">1.MPC8545VTAQGB.pdf</a>                                                                          |
|                     | <a href="#">2.MPC8545VTAQGB.pdf</a>                                                                          |
|                     | <a href="#">3.MPC8545VTAQGB.pdf</a>                                                                          |
|                     | <a href="#">4.MPC8545VTAQGB.pdf</a>                                                                          |
|                     | <a href="#">5.MPC8545VTAQGB.pdf</a>                                                                          |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

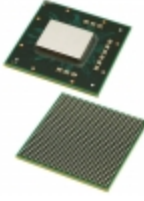
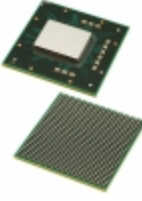
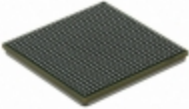
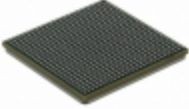
Specifications of MPC8545VTAQGB

|                                  |                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MPC8545VTAQGB                                                                                                                                                                                   |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                  |
| DESCRIPTION                      | IC MPU MPC85XX 1.0GHZ 783FCBGA                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                      |
| DATA SHEET                       | <a href="#">1.MPC8545VTAQGB.pdf</a><br><a href="#">2.MPC8545VTAQGB.pdf</a><br><a href="#">3.MPC8545VTAQGB.pdf</a><br><a href="#">4.MPC8545VTAQGB.pdf</a><br><a href="#">5.MPC8545VTAQGB.pdf</a> |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 3.3V                                                                                                                                                                                |
| USB                              | -                                                                                                                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 783-FCBGA (29x29)                                                                                                                                                                               |
| SPEED                            | 1.0GHz                                                                                                                                                                                          |
| SERIES                           | MPC85xx                                                                                                                                                                                         |
| SECURITY FEATURES                | -                                                                                                                                                                                               |
| SATA                             | -                                                                                                                                                                                               |
| RAM CONTROLLERS                  | DDR, DDR2, SDRAM                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                            |
| PACKAGE / CASE                   | 783-BBGA, FCBGA                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | 0°C ~ 105°C (TA)                                                                                                                                                                                |
| NUMBER OF CORES/BUS WIDTH        | 1 Core, 32-Bit                                                                                                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                      |
| GRAPHICS ACCELERATION            | No                                                                                                                                                                                              |
| ETHERNET                         | 10/100/1000 Mbps (4)                                                                                                                                                                            |
| DISPLAY & INTERFACE CONTROLLERS  | -                                                                                                                                                                                               |
| DETAILED DESCRIPTION             | PowerPC e500 Microprocessor IC MPC85xx 1 Core, 32-Bit 1.0GHz 783-FCBGA (29x29)                                                                                                                  |
| CORE PROCESSOR                   | PowerPC e500                                                                                                                                                                                    |
| CO-PROCESSORS/DSP                | Signal Processing; SPE                                                                                                                                                                          |
| BASE PART NUMBER                 | MPC8545                                                                                                                                                                                         |
| ADDITIONAL INTERFACES            | DUART, I <sup>2</sup> C, PCI, RapidIO                                                                                                                                                           |

Related Tags

|                                              |                                         |                                                  |
|----------------------------------------------|-----------------------------------------|--------------------------------------------------|
| NXP Semiconductors / Freescale MPC8545VTAQGB | MPC8545VTAQGB Distributor               | MPC8545VTAQGB Supplier                           |
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| Freescale Semiconductor - NXP MPC8545VTAQGB  | NXP USA Inc. MPC8545VTAQGB              |                                                  |

Related Products

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MPC8545VUATG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>MPC8545VTATGB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MPC8545VUAQG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>MPC8545PXATGB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MPC8545VUANG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 800MHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>MPC8545VTAQGD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MPC8545VJAQGD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA<br/>In stock: 13 pcs<br/><b>RFQ</b></div>    |  <div><b>MPC8545VTATGD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MPC8545VJATGD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>MPC8545PXATGD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MPC8545PXAQGD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>MPC8545VTANGB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 800MHZ 783FCBGA<br/>In stock: Out stock<br/><b>RFQ</b></div> |